

Flood Duty
ACTIVITY HAZARDS ANALYSIS
Hydrologic Engineering Branch

ACTIVITY: Flood Duty

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REVIEWED BY/DATE: Larry Janis, 8/31/01

PRINCIPAL STEPS	POTENTIAL HAZARDS	RECOMMENDED CONTROLS
Flood Fighting	<ol style="list-style-type: none">1. Injury to the worker2. Accidents in traffic situations3. Back strain due to improper lifting.4. Heat exhaustion.5. Accidents in water areas such as currents or holes where walking.	<ol style="list-style-type: none">1. When inspecting or working on levees, know your exit route in the event of overtopping or levee failure.2. Be aware of the lightning threat when making current meter measurements or obtaining wire weight readings on a bridge.3. Use the buddy system, inflatable life vests, and ropes when setting staff gages in the water.4. Use traffic cones when making high water measurements from a bridge. Be alert to traffic when stepping off the high water rig.5. Have a trash spotter watching for water borne debris when making high water measurements from a bridge or cableway.6. If a cableway support tower shows signs of undermining from high water, do not use.7. Always have side cutters available for quick use when on a cableway, in the event that debris snag the meter suspension cable.8. Observe safe lifting procedures when mounting sounding weights and counterweights.9. When wading flood overflows, use a staff or topset rod to probe for holes and washouts ahead of where you are walking.10. Do not attempt to wade flood overflows when the combination of depth and current threaten to knock you down. Back out at once.11. When assembling the bridge crane, use caution to avoid finger injuries.12. Be alert to signs of heat exhaustion. Drink plenty of water.13. Wear an inflatable PFD when setting staff gages in deep water or near strong currents.

EQUIPMENT TO BE USED	INSPECTION REQUIREMENTS	TRAINING REQUIREMENTS
<div>1. Motor Vehicle</div> <div>2. AA Current Meter</div> <div>3. Wire Weight Gage.</div> <div>4. Crane & “B” Reel</div> <div>5. Cableway</div>	<div>Make sure vehicle is running well k ground clearance before driving through</div> <div>Verify that cable car towers are not erosion.</div> <div>3.</div>	<div>1.</div> <div>USGS Basic Stream flow Measurement train Lakewood, CO.</div>